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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 501.39055CX1	SERIAL NO. TDD 501.39055CX1
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT HASEGAWA, et al.	
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
SPH	AA 3,942,981	3-9-76	Sato	-	-	
SPH	AB 4,242,438	12-30-80	Sato	-	-	
SPH	AC 4,405,701	9-20-83	Banks, et al.	-	-	
SPH	AD 5,250,983	1-5-93	Yamamura 10/93	-	-	
SPH	AE 5,262,257	11-16-93	Fukuda, et al.	-	-	
SPH	AF 5,324,600	6-28-94	Jimbo, et al.	-	-	
SPH	AG 5,366,913	11-22-94	Nakao	-	-	
SPH	AH 5,419,872	5-30-95	Kawaguchi, et al.	-	-	
SPH	AI 5,552,250	9-3-96	Nozue	-	-	
SPH	AJ 5,629,113	5-13-97	Watanabe	-	-	
SPH	AK 5,725,973	3-10-98	Han, et al.	-	-	
SPH	AL 5,881,125	3-9-99	Dao	-	-	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Abstract/ Translation	
						Yes	No
SPH	AM 62-31855	2-10-87	Japan	-	-	X	
SPH	AN 63-71853	4-1-88	Japan	-	-	X	
SPH	AO 63-80258	4-11-88	Japan	-	-	X	
SPH	AP 1-102567	4-20-89	Japan	-	-	X	
SPH	AQ 2-47655	2-16-90	Japan	-	-	X	
SPH	AR 3-45950	2-27-91	Japan	-	-	X	
SPH	AS 4-58245	2-25-92	Japan	-	-	X	
SPH	AT 5-232674	9-10-93	Japan	-	-	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	
AV	
AW	
AX	
AY	
AZ	
Examiner	Mohamedulla
Date Considered	1/16/05

PAP
8/23/06
5,419,972